

LISTING OF CLAIMS:

The following listing of claims will replace all prior versions and listings of claims in the application.

1. (Previously Presented) A method in a computer system for logging data, the method comprising:

selecting a sequence of components for processing data, each component having an input format and an output format such that the output format of a component is compatible with the input format of the next component in the sequence;

invoking each of the components in sequence wherein output data of a component is input data for the next component in the sequence; and

recording an amount of data processed by each component.

2. (Previously Presented) The method of claim 1 including recording a type of data processed by each component.

3. (Original) The method of claim 1 wherein a mapping from components to the recorded amount of data is used to determine a fee for the processing of the data.

4. (Original) The method of claim 1 wherein the components are protocols and the amount of data is recorded at the protocol level.

5. (Original) The method of claim 1 wherein the components are protocols with sessions and the amount of data is recorded at the session level.

6. (Original) The method of claim 1 wherein the components are protocols with edges and the amount of data is recorded at the edge level.

7. (Original) The method of claim 1 wherein the amount of data processed by a path is recorded.

8. (Original) The method of claim 1 including recording processing time of the data.

9. (Original) The method of claim 1 wherein a source of the data is identifiable from the recorded data.

10. (Original) The method of claim 1 wherein the recorded information is used to identify sources of advertisements.

11. (Original) The method of claim 1 wherein a source of data is uniquely identifiable from a component that processes the data.

12. (Original) The method of claim 1 including recording processing time of a component and allocating computer system resources based on the recorded processing time.

13.-18. (Canceled)

19. (Previously Presented) A method in a computer system for identifying a source of transferred data, the method comprising:

identifying a sequence of components for processing the transferred data, wherein each component in the sequence has an input format and an output format such that the output format of a component is compatible with the input format of the next component in the sequence; and

invoking each of the components in sequence wherein one component uniquely identifies the source of the data and wherein the amount of data associated with the identified source is logged.

20. (Original) The method of claim 19 including billing based on the identified source.

21. (Original) The method of claim 19 wherein the data is an advertisement

provided by the identified source.

22. (Original) The method of claim 19 including logging timing information.

23. (Original) The method of claim 22 wherein computer resources are allocated to the components based on the logged timing information.

24. (Original) The method of claim 23 wherein the computer resource is a central processing unit.

25. (Original) The method of claim 23 wherein the computer resource is memory.

26.-30. (Canceled)

31. (New) The method of claim 1, further comprising:
receiving streaming data to be processed,
wherein the data processed by the sequence of components comprises the received streaming data.

32. (New) The method of claim 19, further comprising:
receiving streaming data to be processed,
wherein the transferred data processed by the sequence of components comprises the received streaming data.